NAME:		DATE:	CLASS:		
	MY NASA DATA: Sea Surface Temperature Trends of the Gulf Stream				

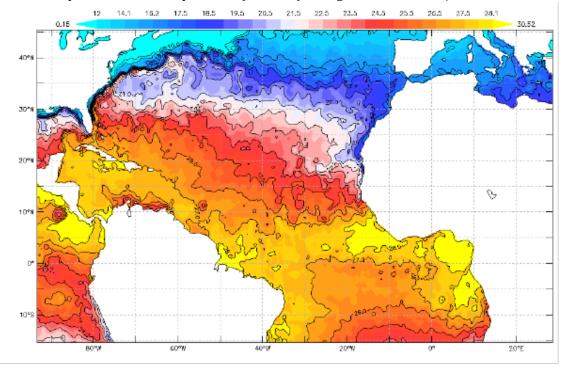
MY NASA DATA: Sea Surface Temperature Trends of the Gulf Stream http://mynasadata.larc.nasa.gov/lesson-plans/?page\_id=474?&passid=13

## Pre-Lesson Inquiry Activity:

Pre-lesson inquiry activity: Have students write hypotheses about (1) the effects of the Gulf Stream on coastal water temperatures and (2) the effects of the gulf Stream on the fishing industry

Part 1: Students will explore the Live Access Server (LAS) and produce plots of sea surface temperature. An example plot of SST for the Gulf Stream is provided above.

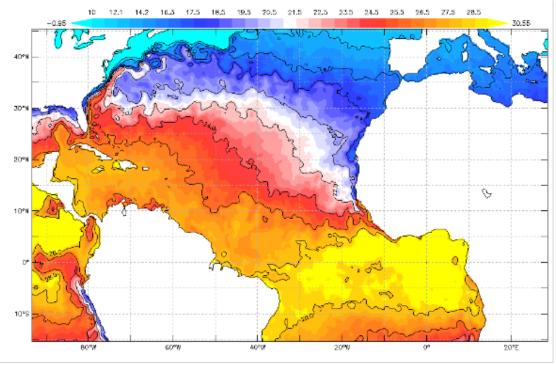




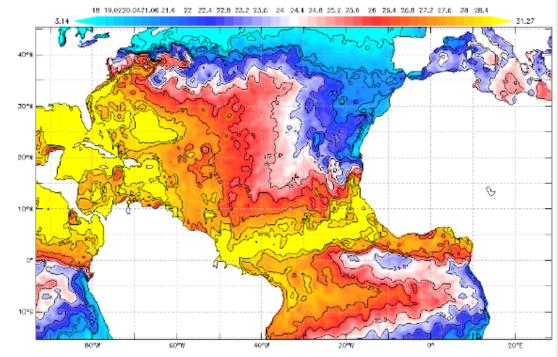
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MY NASA DATA: Sea Surface Temperature Trends of the Gulf Stream http://mynasadata.larc.nasa.gov/lesson-plans/?page\_id=474?&passid=13

Plot 2 -Daily Sea Surface Temperature (GHRSST) in degrees Celsius For April 15, 2014



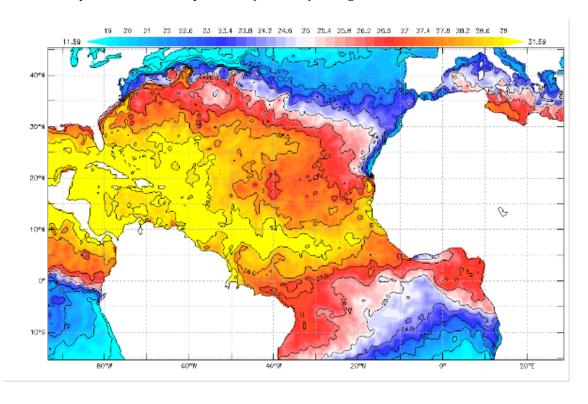
Plot 3 – Daily Sea Surface Temperature (GHRSST) in degrees Celsius For July 15, 2014



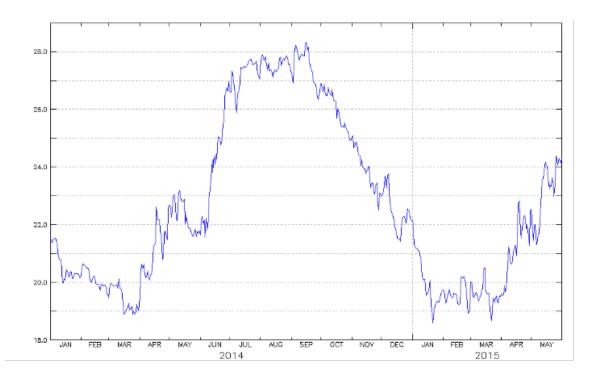
NAME:	DATE:	CLASS:
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MY NASA DATA: Sea Surface Temperature Trends of the Gulf Stream http://mynasadata.larc.nasa.gov/lesson-plans/?page\_id=474?&passid=13

Plot 4 – Daily Sea Surface Temperature (GHRSST) in degrees Celsius For Oct 15, 2014



Part II: Students will prepare a time series of data for particular location(s) on the Gulf Stream.



NAME:	DATE:	CLASS:					
MY NASA DATA: Sea Surf http://mynasadata.larc.nasa	_						
Part III: Please refer to the lesson to complete part III of this lesson, as it does not use the LAS to obtain the data.							
Questions:							
1. Locate your data position(s minimum and maximum temp for different locations for dates any major differences in temp position of the Gulf Stream ch	erature at your loca s in January, April, or erature over the co	ation(s). Compare results July and October. Discuss urse of the year. Is the					
2. Can you describe how the saffects the weather along the the position of the Gulf Stream fishing industry? Do the result	East Coast and in En may affect offshor	Europe? How do you think re operations such as the					
3. At latitude 45 N, winter tem low as -15 C while at Newqua Can you draw any conclusion western and eastern shores or	y, United Kingdom s about the differen	it can get as low 41 C. ce in climate between					